

REMARKS

This paper is responsive to the Office Action mailed from the Patent and Trademark Office on April 4, 2007, which has a shortened statutory period set to expire July 4, 2007.

Claims 8-45 are pending in the above-identified application. Claims 16-19 are withdrawn.

Claims 8-15 and 20-45 are rejected under one or more of statutory and obviousness-type double-patenting, and Claims 12, 15 and 20, 21, 24, 25, 26, 28, 30, 31, 33, 38, 39, 40, and 42-45 are rejected under 35 USC 103(a).

In the current paper, Claims 12, 13, 15, 20, 21, 23, 24, 32, 33, 36, 39, 44 are amended as set forth below. Claims 8-11, 14, 22, 25-31, 34, 35, 37, 38, 40-43 and 45 remain as previously presented. No new matter is entered. In view of these amendments and the following remarks, Applicants respectfully request reconsideration and withdrawal of all pending rejections.

Rejections Based on Double Patenting

1) Double Patenting Rejections over USP 6,167,246

Claims 8-15 are rejected on the grounds of nonstatutory obviousness-type double patenting as being unpatentable over Claims 1-3, 5 and 7-10 of US Patent No. 6,167,246 (see paragraph 7 of the Office Action).

Applicants submit herewith a Terminal Disclaimer to overcome this rejection. Applicants are not admitting by the terminal disclaimer that any claims of the pending application are obvious over any claims of US Patent No. 6,167,246. The terminal disclaimer is being filed solely to expedite issuance of a patent.

2) Double Patenting Rejections over USP 6,324,390

Claims 20-33 and 38-45 are rejected on the grounds of nonstatutory obviousness-type double patenting as being unpatentable over Claims 1-5 and 12-14 of US Patent No. 6,324,390 (see paragraph 8 of the Office Action).

Applicants submit herewith a Terminal Disclaimer to overcome this rejection. Applicants are not admitting by the terminal disclaimer that any claims of the pending application are obvious over any claims of US Patent No. 6,324,390. The terminal disclaimer is being filed solely to expedite issuance of a patent.

3) Double Patenting Rejections over USP 6,324,390 in view of USP 6,167,246

Claims 34-37 are rejected on the grounds of nonstatutory obviousness-type double patenting as being unpatentable over Claim 1 US Patent No. 6,324,390 in view of Claims 1-10 of US Patent No. 6,167,246 (see paragraph 9 of the Office Action).

Applicants believe the double patenting rejection directed to these claims is overcome by the Terminal Disclaimer mentioned above.

4) Double Patenting Rejections over USP 6,662,003

Claims 12-15 and 20-45 are rejected on the grounds of nonstatutory obviousness-type double patenting as being unpatentable over Claim 1 US Patent No. 6,662,003.

Applicants submit herewith a Terminal Disclaimer to overcome this rejection. Applicants are not admitting by the terminal disclaimer that any claims of the pending application are obvious over any claims of US Patent No.

6,662,003. The terminal disclaimer is being filed solely to expedite issuance of a patent.

For the above reasons, Applicant requests reconsideration and withdrawal of all double patenting rejections.

Rejections Under 35 USC 103

Claims 12, 15, 20, 21, 24, 25, 26, 28, 30, 31, 33, 38, 39, 40, and 42-45 are rejected under 35 USC 103(a) as being unpatentable over USP 5,930,695 (Yamaguchi) in view of USP 5,020,147 (Okanobu).

Independent Claims 12, 20 and 33 are amended herein in accordance with the comments raised by the Examiner in paragraph 8 of the Office Action. In particular, each of Claims 12, 20 and 33 are amended to recite a "monolithic integrated circuit (IC) chip" including a "superhetrodyne receiver" and a "demodulator" that are "all-CMOS" or "formed using CMOS transistor" and having "no bipolar transistors". No new matter is entered. In view of these amendments and the Examiner's comments, Applicants believe Claims 12, 20 and 33 are now in condition for allowance.

Claim 15 is dependent from Claim 12, and is therefore allowable over Yamaguchi et al. and Okanobu for at least the reasons set forth above. Claim 15 is amended to be consistent with the amendment to Claim 12. No new matter is entered.

Claims 21, 24, 25, 26, 28, 30 and 31 are dependent from Claim 20, and are therefore allowable over Yamaguchi et al. and Okanobu for at least the reasons set forth above. Claims 21, 24-26, 28, 30, 31 and 32 are amended to

comply with the amendments to Claim 20. No new matter is entered.

Claims 38, 39, 40, and 42-45 are dependent from Claim 33, and are therefore allowable over Yamaguchi et al. and Okanobu for at least the reasons set forth above. Claims 36, 39 and 44 are amended to comply with the amendments to Claim 33. No new matter is entered.

For the above reasons, Applicants respectfully request reconsideration and withdrawal of the rejections under 35 USC 103.

Claim 13

Claim 13 is subject to one or more of the double patenting rejections mentioned above, but is otherwise believed to be distinguished over the prior art. Claim 13 is amended herein to include the limitations of Claim 12 (prior to the amendment entered in this paper). In view of the Terminal Disclaimers filed herewith, Applicants believe Claim 13 is now in condition for allowance.

CONCLUSION

For the above reasons, Applicants believe Claims 8-15 and 20-45 are in condition for allowance. Should the Examiner have any questions regarding the present paper, the Examiner is invited to contact the undersigned attorney at the number provided below.

Respectfully submitted,



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